AN - 1994-068479 [09]
AP - JP19920082827 19920303
PR - JP19920082827 19920303
TI - New lipase having high organic solvent resistance - produced by culturing fusarium sp. strain and reacts at 1 and 3 positions of acyl-glycerol
IW - NEW LIPASE HIGH ORGANIC SOLVENT RESISTANCE PRODUCE CULTURE FUSARIUM SPECIES STRAIN REACT POSITION ACYL GLYCEROL
PA - (OSAQ ) OSAKA CITY
- (TOYM ) TOYOBO KK
PN - JP6014773 A 19940125 DW199409 C12N9/20 006pp
IC - C12N9/20
AB - J06014773 New lipase has high resistance to organic solvent. It has at least 90% lipase activity in 50% (w/w) DMSO soln.
- New lipase producing Fusarium sp. strain is cultured in enriched medium, and the lipase is collected from the culture.
- USE/ADVANTAGE - Lipase reacts at 1 and 3 positions of acylglycerol, specifically.
- In an example, 1% Soy bean oil, 3% peptone, and 1% yeast extract contg. 100 ml medium was charged into 500 ml vol. Sakaguchi flask, and sterilised at 121 deg.C for 15 min. As seed, spore suspension of Fusarium sp. 100 was inoculated, and cultured at 27 deg.C for 60 hours. After filtration of the cultured soln., the supernatant was treated with (NH4)2SO4 fractionation, SP-Sephadex chromatography, Sephadex G-75 gel filtration, and pI electrophoresis. The prod. had specific activity of 2006 U/mg.(Dwg.0/5)